

## ABSTRACT

An optometric apparatus and an optometric method which perform an accurate eye examination on people who have a wide range of refractive powers with astigmatism, myopia or hyperopia, and which are also applicable especially to those with mixed astigmatism are provided. The apparatus is to perform a subjective eye examination by prompting a subject to view the test symbols displayed on a computer screen by one of the right and left eyes at a time. The system includes: astigmatic axis angle determination means which displays test symbols for determining an astigmatic axis angle and then determines the astigmatic axis angle; hyperopia and myopia determination means which displays test symbols for determining hyperopia or myopia in two orthogonal orientations selected based on the astigmatic axis angle determined, and determines hyperopia or myopia at the astigmatic axis angle and at an angle orthogonal thereto; and refractive power determination means which displays test symbols for determining a refractive power in two orthogonal orientations selected based on the astigmatic axis angle determined and determines a refractive power at the astigmatic axis angle and at an angle orthogonal thereto.